

09/134,405

L1 23 S ECB AND (OPTIC?(A)ROTAT?)
 L2 8 S L1 AND (MOLECULE?(3A)ALIGN?)
 L3 4 S L1 AND PROJECTOR?
 L4 1 S ECB AND ((SPLAY OR BEND? OR TWIST?)(5A)DEFORMATION?)
 L5 41 S ECB AND (MOLECULES(10A)(ELECTRIC(A)FIELD))
 L6 4 S L5 AND PROJECTOR?
 L7 4 S (IN(A)PLANE OR IPS)(P)(.DELTA.N)
 L8 293 S (.DELTA.N)(A)D
 L9 75 S L8(P)(.MU.M).
 L10 45 S L9 AND WHITE
 L11 286 S RATIO(3A)REFLECTIVITY
 L12 31 S L11(P)NM
 L13 0 S L12 AND (WAVELENGTH(3A)DISPERS?)
 L14 39 S (REFLECT?(3A)POLARIZER?) AND (WAVELENGTH(3A)DISPERS?)
 L15 7 S L14 AND (COMPENSATOR OR RETARDATION)
 L16 7 S L14 AND (COMPENSATOR? OR RETARDATION)

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1. 5,883,687, Mar. 16, 1999, Polarization independent liquid crystal phase gratings for reflective spatial light modulators; Minhua Lu, et al., 349/201, 129, 180, 181 [IMAGE AVAILABLE]
2. 5,870,164, Feb. 9, 1999, Polarization dependent twisted nematic liquid crystal devices for reflective spatial light modulators; Minhua Lu, et al., 349/180, 181 [IMAGE AVAILABLE]
3. 5,838,408, Nov. 17, 1998, Liquid crystal device and electronic equipment using the same; Yasuyuki Inoue, et al., 349/118, 76, 78, 179, 181, 186 [IMAGE AVAILABLE]
4. 5,745,200, Apr. 28, 1998, Color liquid crystal display device and liquid crystal display apparatus; Zenta Kikuchi, et al., 349/99, 130, 181 [IMAGE AVAILABLE]
5. 5,737,046, Apr. 7, 1998, Birefringence control type liquid crystal display device; Hiroyuki Moriwaki, et al., 349/117, 121 [IMAGE AVAILABLE]
6. 5,699,137, Dec. 16, 1997, Liquid crystal display device having compensator with particular retardation in the inclined direction; Keiko Kishimoto, 349/119, 99, 102, 118, 121 [IMAGE AVAILABLE]
7. 5,691,791, Nov. 25, 1997, Reflective liquid crystal display device and reflector; Kozo Nakamura, et al., 349/113, 75, 117 [IMAGE AVAILABLE]
8. 5,684,552, Nov. 4, 1997, Color liquid crystal display having a color filter composed of multilayer thin films; Tadayoshi Miyamoto, et al., 349/106, 107 [IMAGE AVAILABLE]
9. 5,650,833, Jul. 22, 1997, Liquid crystal display device having birefringent films with $n_{sub.x} > n_{sub.y}$; Minoru Akatsuka, et al., 349/118, 119, 180, 181 [IMAGE AVAILABLE]
10. 5,610,741, Mar. 11, 1997, Reflection type liquid crystal display device with bumps on the reflector; Naofumi Kimura, 349/113, 139 [IMAGE AVAILABLE]
11. 5,602,662, Feb. 11, 1997, Cholesteric liquid crystal devices; $\approx 0.31 \mu m$

Charles Rosenblatt, et al., 349/130 [IMAGE AVAILABLE]

12. 5,583,679, Dec. 10, 1996, Liquid crystal display with optical compensatory sheet having discotic molecules varyingly inclined; Yoji Ito, et al., 349/118, 120, 121, 122, 136, 177 [IMAGE AVAILABLE]

13. 5,583,678, Dec. 10, 1996, Color liquid crystal display apparatus; Toshiharu Nishino, et al., 349/118; 345/95; 349/99 [IMAGE AVAILABLE]

14. 5,555,113, Sep. 10, 1996, Liquid crystal display device with twist angle ϕ of 70.degree. to 90.degree. and alignment to polarization direction angle between $\phi/2+30$.degree. and $\phi/2+60$.degree.; Johannes C. H. Mulken, et al., 349/96, 181 [IMAGE AVAILABLE]

15. 5,513,026, Apr. 30, 1996, Method of producing a liquid crystal display with a spacer; Takumi Suzuki, et al., 349/155 [IMAGE AVAILABLE]

✓ 16. 5,490,003, Feb. 6, 1996, Reflective liquid crystal display device with twist angle between 50.degree. and 68.degree. and the polarizer at the bisectrix; Hendrik A. Van Sprang, 349/96, 113, 177 [IMAGE AVAILABLE]

17. 5,473,450, Dec. 5, 1995, Liquid crystal display device with a polymer between liquid crystal regions; Nobuaki Yamada, et al., 349/84, 89 [IMAGE AVAILABLE]

18. 5,472,635, Dec. 5, 1995, Phase plate and liquid crystal display using same; Shigeki Iida, et al., 349/117; 252/299.4 [IMAGE AVAILABLE]

19. 5,426,524, Jun. 20, 1995, Liquid crystal display with phase difference plate having particular Δn at 45.degree. angle to surface; Hiroshi Wada, et al., 349/118, 179 [IMAGE AVAILABLE]

20. 5,396,355, Mar. 7, 1995, Optically compensating film, optical compensator and liquid crystal display; Hiroshi Wada, et al., 349/117 [IMAGE AVAILABLE]

21. 5,326,496, Jul. 5, 1994, Compensator for liquid crystal display; Shigeki Iida, et al., 252/299.01, 299.4; 349/76, 183, 186 [IMAGE AVAILABLE]

22. 5,296,955, Mar. 22, 1994, Liquid crystal display apparatus with stable contrast against temperature changes; Tomotoshi Tsujioka, 349/121, 101, 181 [IMAGE AVAILABLE]

23. 5,260,109, Nov. 9, 1993, Method for polarizing light; Shigeki Iida, et al., 428/1.6; 252/299.01; 349/117, 183; 428/480 [IMAGE AVAILABLE]

24. 5,220,447, Jun. 15, 1993, Liquid crystal display device and phase plate therefor; Hisao Yokokura, et al., 349/119, 180, 181 [IMAGE AVAILABLE]

25. 5,179,457, Jan. 12, 1993, Liquid crystal display device with birefringent film between the substrates of the liquid crystal; Jun-ichi Hirataka, et al., 349/119, 102 [IMAGE AVAILABLE]

26. 5,171,472, Dec. 15, 1992, Phenylcyclohexyldioxane derivatives having an ether bond for electro-optical displays; Yasuyuki Tanaka, et al., 252/299.61, 299.63; 549/374 [IMAGE AVAILABLE]

27. 5,166,448, Nov. 24, 1992, Intermediate for preparing fluorine-substituted compound containing ether bond; Makoto Sasaki, et al., 568/367, 376 [IMAGE AVAILABLE]

✓ 28. 5,157,526, Oct. 20, 1992, Unabsorbing type polarizer, method for manufacturing the same, polarized light source using the same, and

apparatus for liquid crystal display using the same; Katsumi Kondo, et al., 349/96, 6, 62, 63; 359/487, 488, 495, 497 [IMAGE AVAILABLE]

29. 5,136,405, Aug. 4, 1992, Liquid crystal display device with compensator having .DELTA.nxd and twist angle calculated using the liquid crystal's parameters; Hiroshi Wada, et al., 349/76, 180, 181 [IMAGE AVAILABLE]

30. 5,126,866, Jun. 30, 1992, Liquid crystal display with a plurality of phase difference plates the slow axes of which form an angle of 20 to 40 degrees; Toshiyuki Yoshimizu, et al., 349/119, 102, 121, 179 [IMAGE AVAILABLE]

31. 5,089,906, Feb. 18, 1992, Supertwisted nematic liquid crystal device having two phase difference plates for providing black/white display; Hiroshi Ohnishi, et al., 349/121, 119 [IMAGE AVAILABLE]

32. 5,089,629, Feb. 18, 1992, Fluorine-substituted cyclohexylcyclohexene derivative; Yasuyuki Tanaka, et al., 549/14, 22, 30, 39, 333, 341 [IMAGE AVAILABLE]

33. 5,055,224, Oct. 8, 1991, Liquid crystal phase; Ian C. Sage, et al., 252/299.63, 299.01, 299.6, 299.61; 349/179, 181, 186 [IMAGE AVAILABLE]

34. 5,048,933, Sep. 17, 1991, Transmission type liquid crystal display device; Kazuo Asano, 349/61, 101, 180, 181 [IMAGE AVAILABLE]

35. 5,035,489, Jul. 30, 1991, Liquid crystal device having two super twisted nematic cells; Chiyoaki Iijima, et al., 349/76, 122, 181 [IMAGE AVAILABLE]

36. 5,032,008, Jul. 16, 1991, Liquid crystal display device having optical delay plates; Tomiaki Yamamoto, et al., 349/119, 101, 102 [IMAGE AVAILABLE]

37. 5,004,324, Apr. 2, 1991, Liquid crystal display; Frans Leenhouts, et al., 349/181, 33, 180 [IMAGE AVAILABLE]

38. 4,995,704, Feb. 26, 1991, Liquid crystal display device; Tomiaki Yamamoto, et al., 349/119, 121, 136, 180, 181 [IMAGE AVAILABLE]

39. 4,974,940, Dec. 4, 1990, Liquid crystal display device; Kazuo Asano, et al., 349/101, 103, 136, 180, 181 [IMAGE AVAILABLE]

40. 4,964,616, Oct. 23, 1990, Tricyclic cyclohexenyl cyclohexane derivative; Yasuyuki Tanaka, et al., 252/299.63, 299.6; 568/664 [IMAGE AVAILABLE]

41. 4,930,877, Jun. 5, 1990, Liquid crystal display; Mitsuru Kano, et al., 349/181, 101, 106 [IMAGE AVAILABLE]

42. 4,910,350, Mar. 20, 1990, Fluorine-substituted cyclohexylcyclohexene derivative; Yasuyuki Tanaka, et al., 570/129; 252/299.63; 549/16, 17, 31, 336 [IMAGE AVAILABLE]

43. 4,904,058, Feb. 27, 1990, Liquid crystal display panel; Shoichi Kato, et al., 349/76, 180, 181 [IMAGE AVAILABLE]

44. 4,896,947, Jan. 30, 1990, Liquid crystal display cell; Frans Leenhouts, 349/99, 180, 181 [IMAGE AVAILABLE]

45. 4,830,941, May 16, 1989, Process for the manufacture of a relief element; Raymond A. Roosen, et al., 430/287.1; 349/107; 359/891; 430/24, 28, 365, 366, 376, 945, 952 [IMAGE AVAILABLE]